

105 100

Travel Profile - Page 1

File Edit View Tools Help

Trip to Tampa **Convention in LA**

Travel Dates: November 8, 2000 to November 15, 2000

☒ Notify Parcel Services When Traveling

Parcel Service Delivery Options

☐ Hold Packages for Customer Pickup

☐ Deliver Packages on November 15, 2000

☒ Leave Packages with Neighbor Until: November 15, 2000

Neighbor: Mary Smith
12115 Rosewood Drive
Anywhere, Texas 77815

☒ Notify Company Mailroom When Traveling

Mailroom Delivery Options

☐ Hold Mail Indefinitely

☒ Hold Mail Until: November 15, 2000

☐ Forward Mail Until: November 15, 2000

To: John Doe
c/o Omni Hotel
555 Second Street
Minneapolis, MN 55345

Figure 1

Travel Profile - Page 2

File Edit View Tools Help

Trip to Tampa Convention in LA

Travel Dates: November 8, 2000 to November 15, 2000

☒ Configure Telephone While Traveling

Telephone Options

☒ Set Greeting When Away. Start Date: November 8, 2000
Greeting to Use: Sales Convention in Tampa

☒ Set Greeting Upon Return. Start Date: November 15, 2000
Greeting to Use: Standard In Office Message

☒ Forward Calls To: (612) 555-1111 Call Types: Internal
From: November 8, 2000 to: November 15, 2000

☒ Backup Contact: Frank Jones (512) 555-1235

☒ Emergency Contact: Cindy Doe (512) 567-9876

☒ Destination Contact: John Smith (612) 555-1234

☒ Update Calendar with Trip Information

☒ Download Area Emergency / HMO Information

☒ Inform Contacts Regarding Travel

☒ Transfer Money to Electronic Wallet \$250.00

☒ Download Driving Information / GPS Data

☒ Download Civic / Cultural Events / Attractions

☒ Download Restaurant List

☒ Stop newspaper delivery while away

☒ Home Automation

Away: November 8, 2000 Home: November 15, 2000

Health Profile

Contact List

Select Accounts

Configure

Figure 2

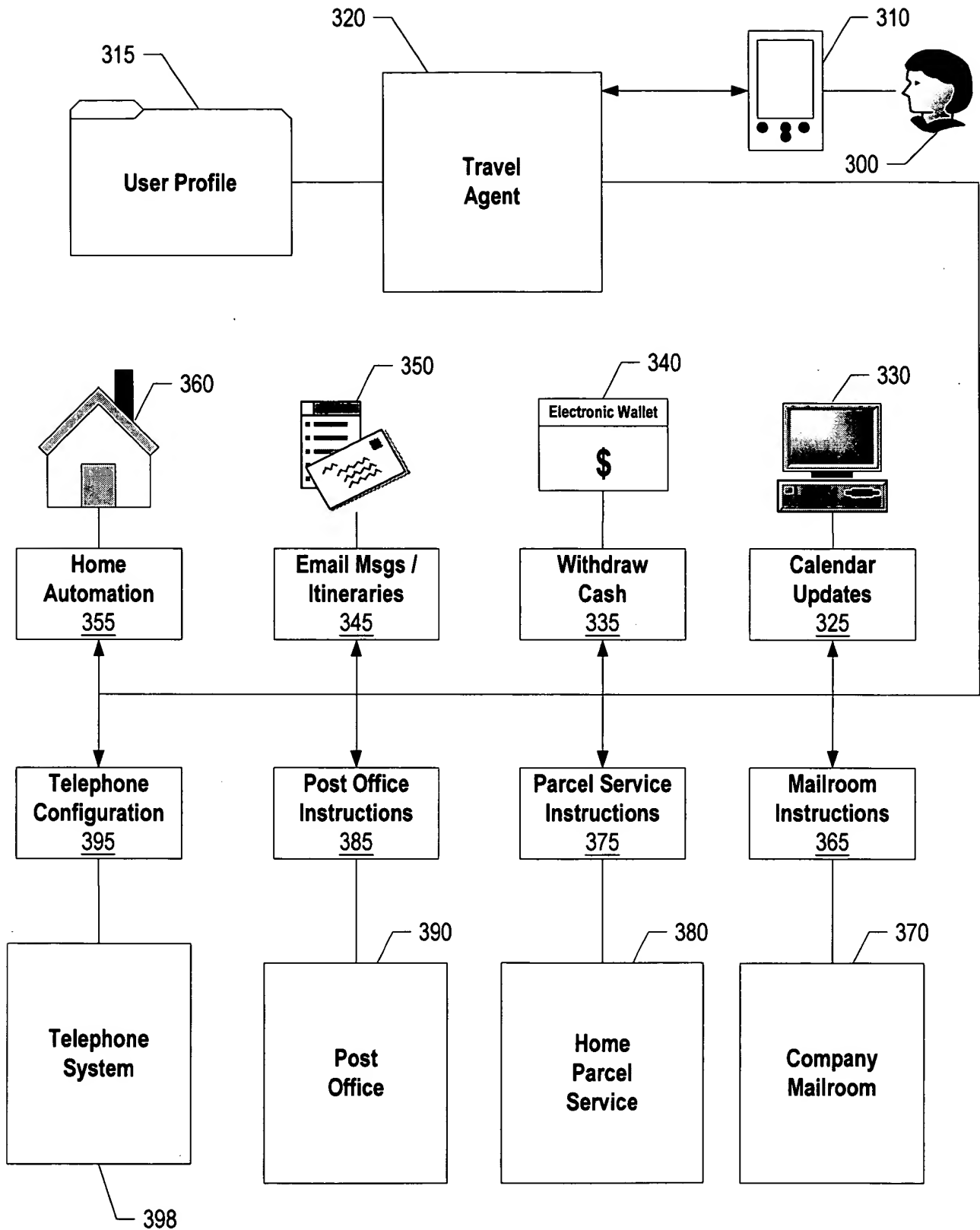


Figure 3

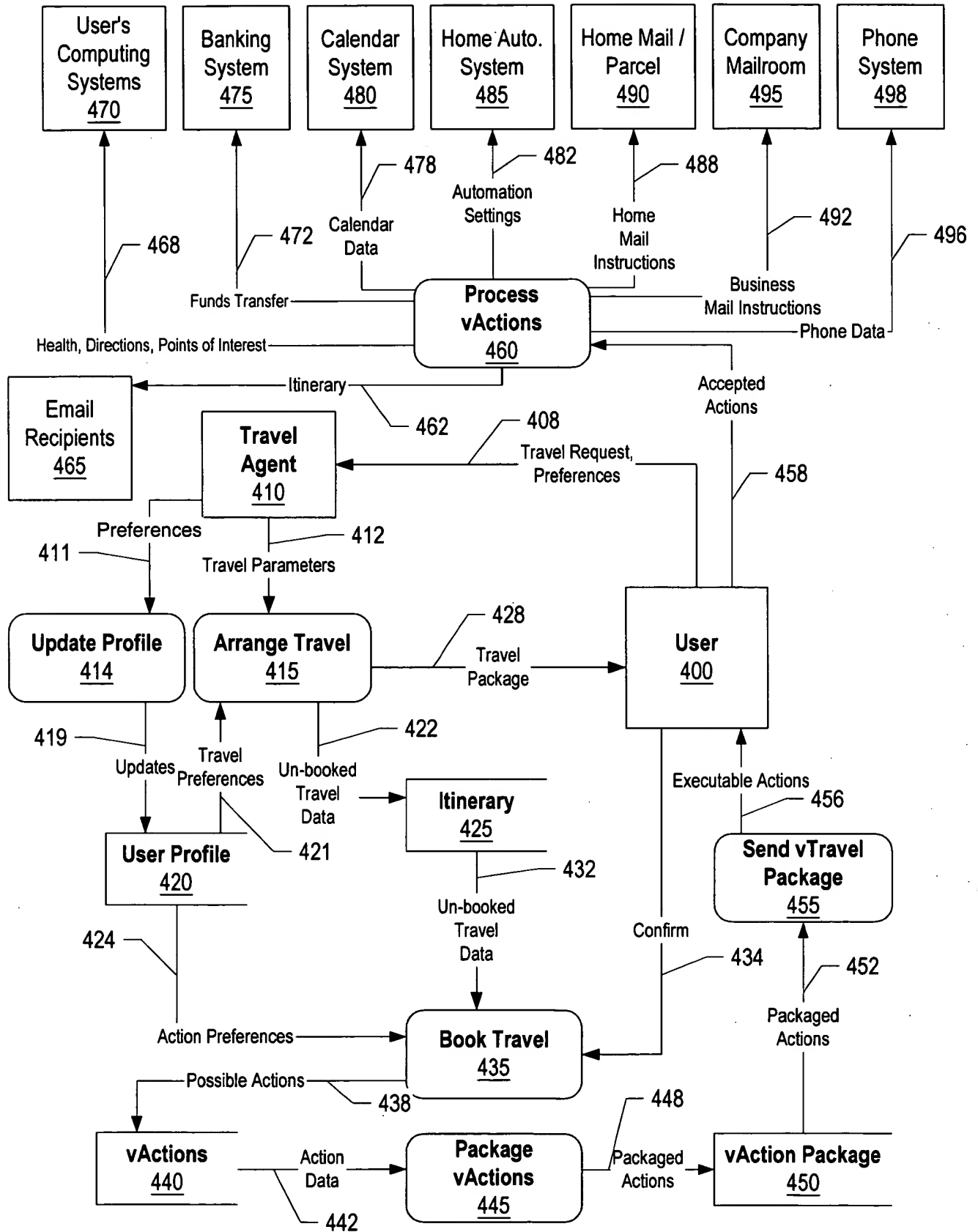


Figure 4

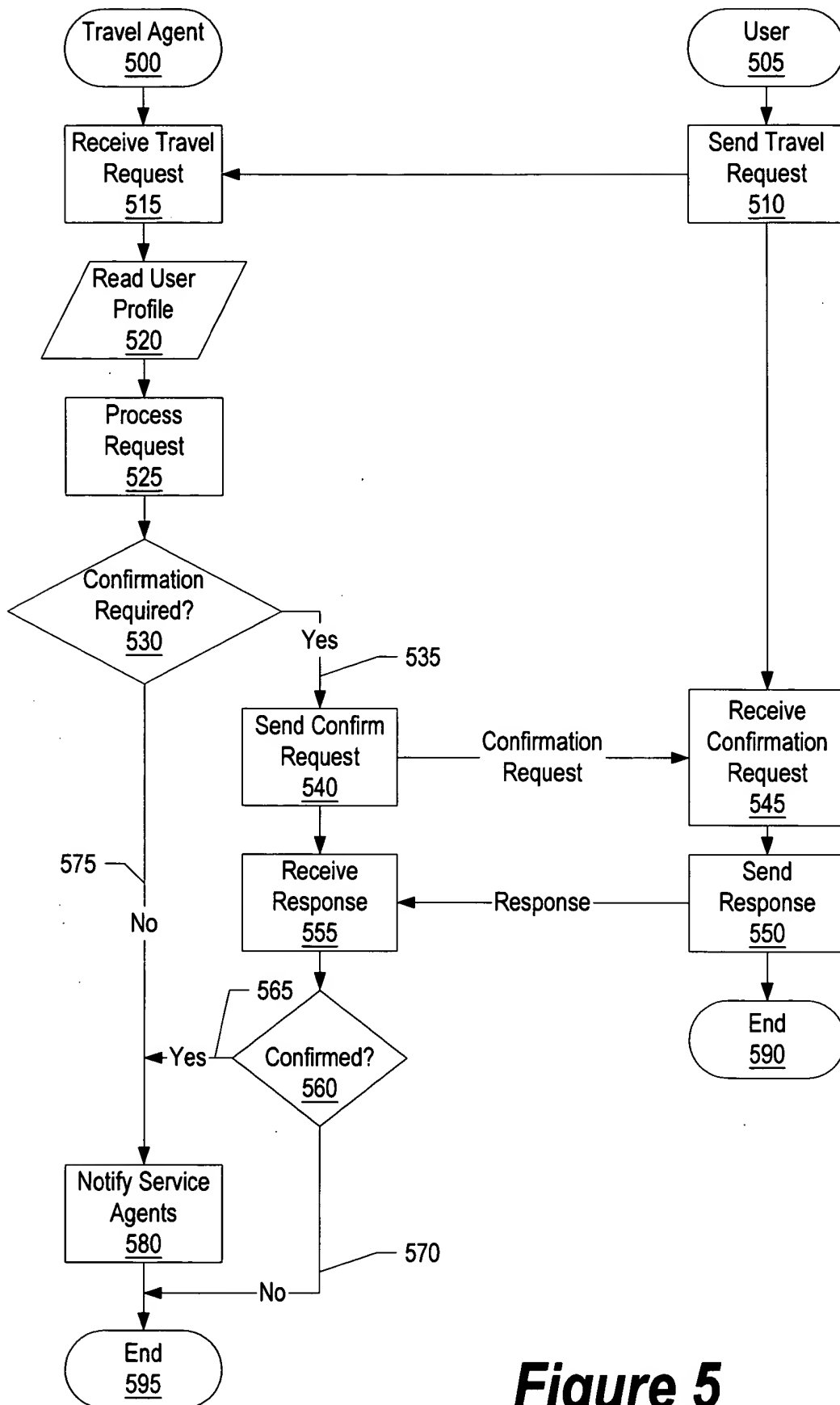


Figure 5

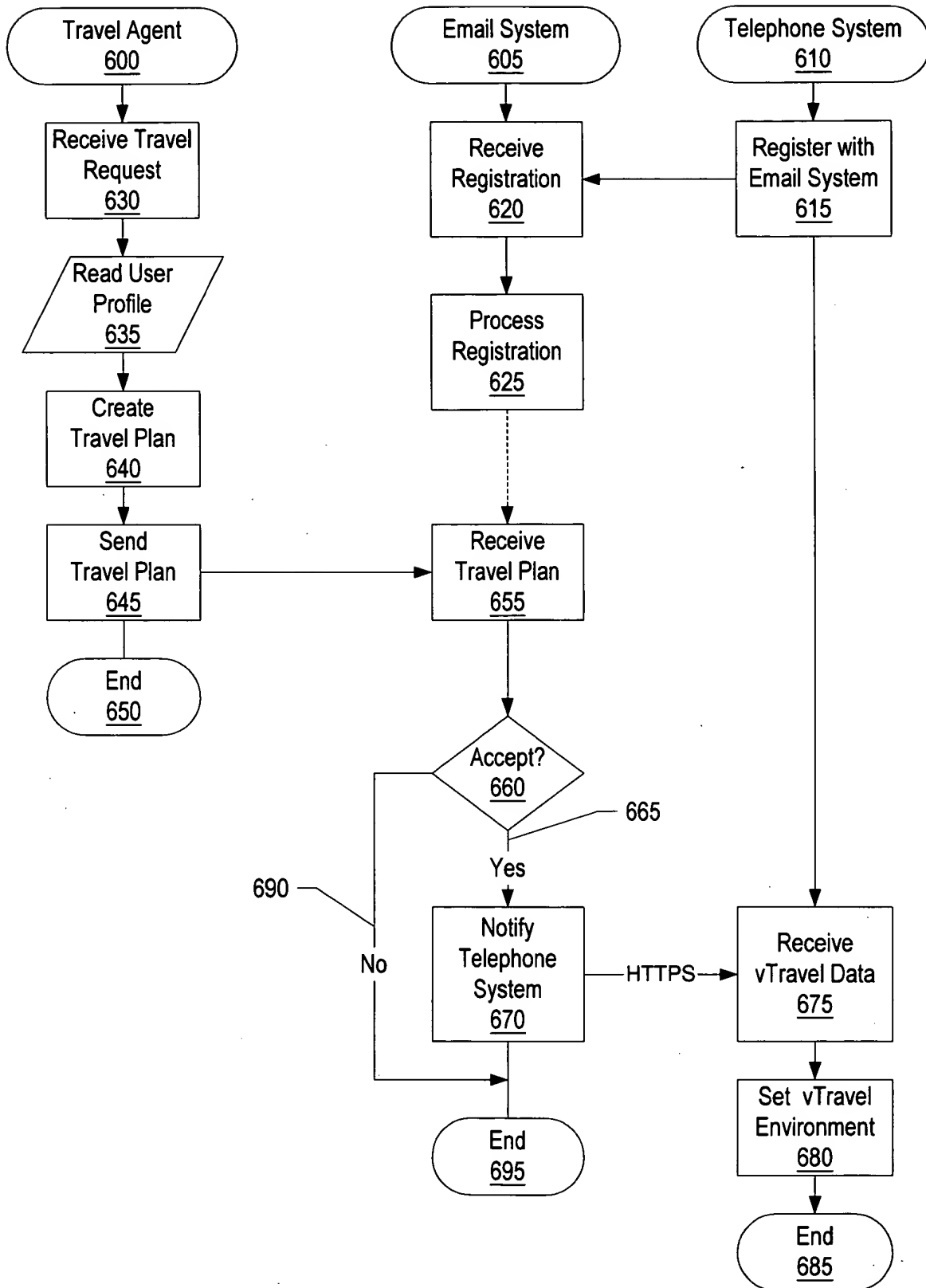


Figure 6

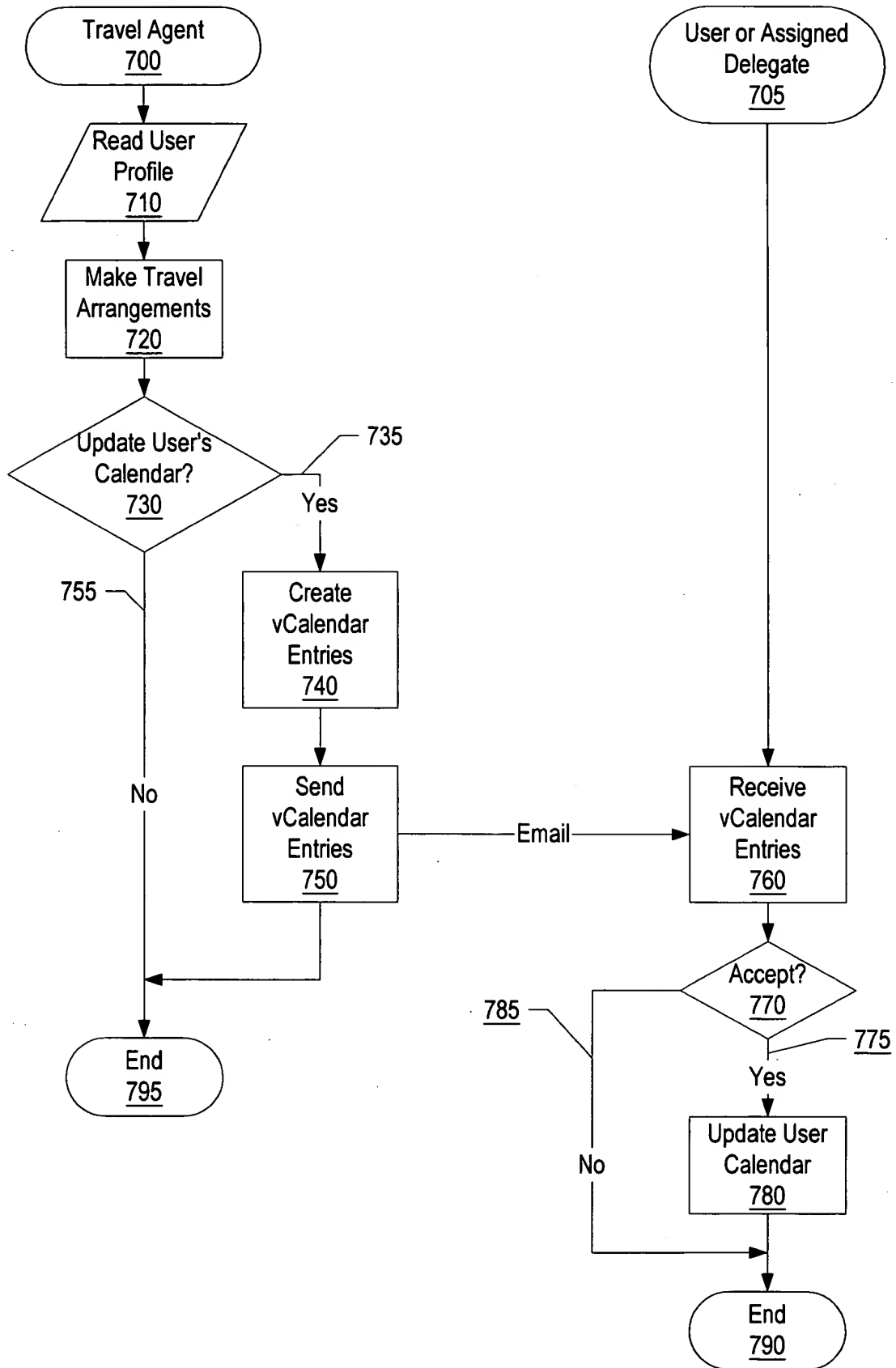


Figure 7

```

graph TD
    Start1([Travel Agent  
800]) --> Read810[/Read User  
Profile  
810/]
    Read810 --> Make820[Make Travel  
Arrangements  
820]
    Make820 --> Decision830{Medical  
Preferences?  
830}
    Decision830 -- Yes 835 --> Search840[Search Database for  
Matching Medical Services  
840]
    Search840 --> Prepare850[Prepare vTravel Package  
850]
    Prepare850 --> Send860[Send vTravel Package  
860]
    Send860 --> Fax870[Fax, Email  
Download  
870]
    Fax870 --> Receive880[Receive vTravel  
Package  
880]
    Receive880 --> End2([End  
890])
    Decision830 -- No 865 --> End1([End  
895])

```

Figure 8


```

graph TD
    Start1([Travel Agent  
900]) --> ReadProfile[/Read User  
Profile  
910/]
    ReadProfile --> MakeArrangements[Make Travel  
Arrangements  
920]
    MakeArrangements --> Decision{Personal  
Interests?  
930}
    Decision -- Yes 935 --> SearchDB[Search Database for Points  
of Interest along Travel Path  
940]
    SearchDB --> PreparePackage[Prepare vTravel Package  
950]
    PreparePackage --> SendPackage[Send vTravel Package  
960]
    SendPackage --> FaxEmail[Fax, Email  
Download  
970]
    FaxEmail --> ReceivePackage[Receive vTravel  
Package  
980]
    ReceivePackage --> End2([End  
990])
    Decision -- No 965 --> End1([End  
995])

```

IBM-0031

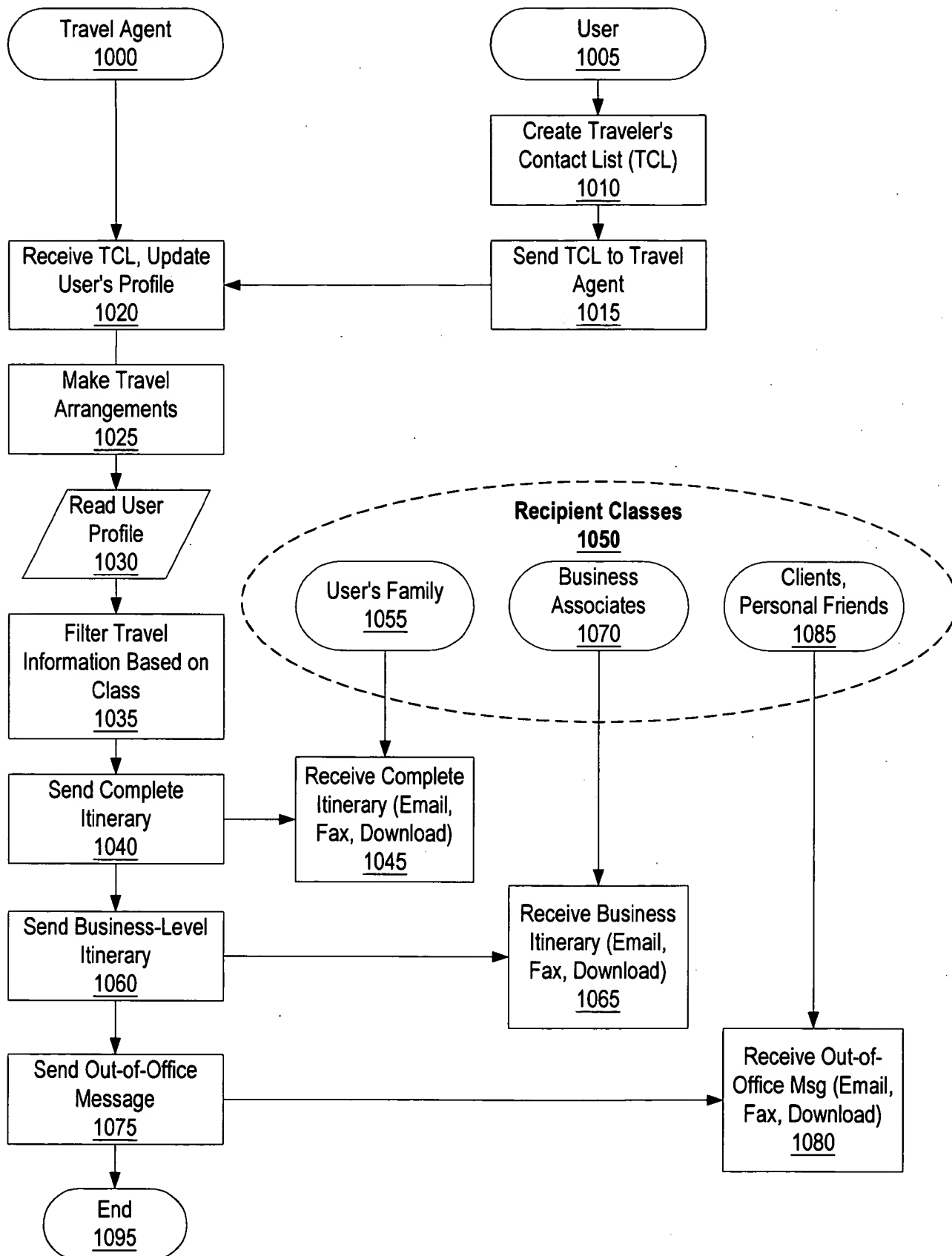


Figure 10

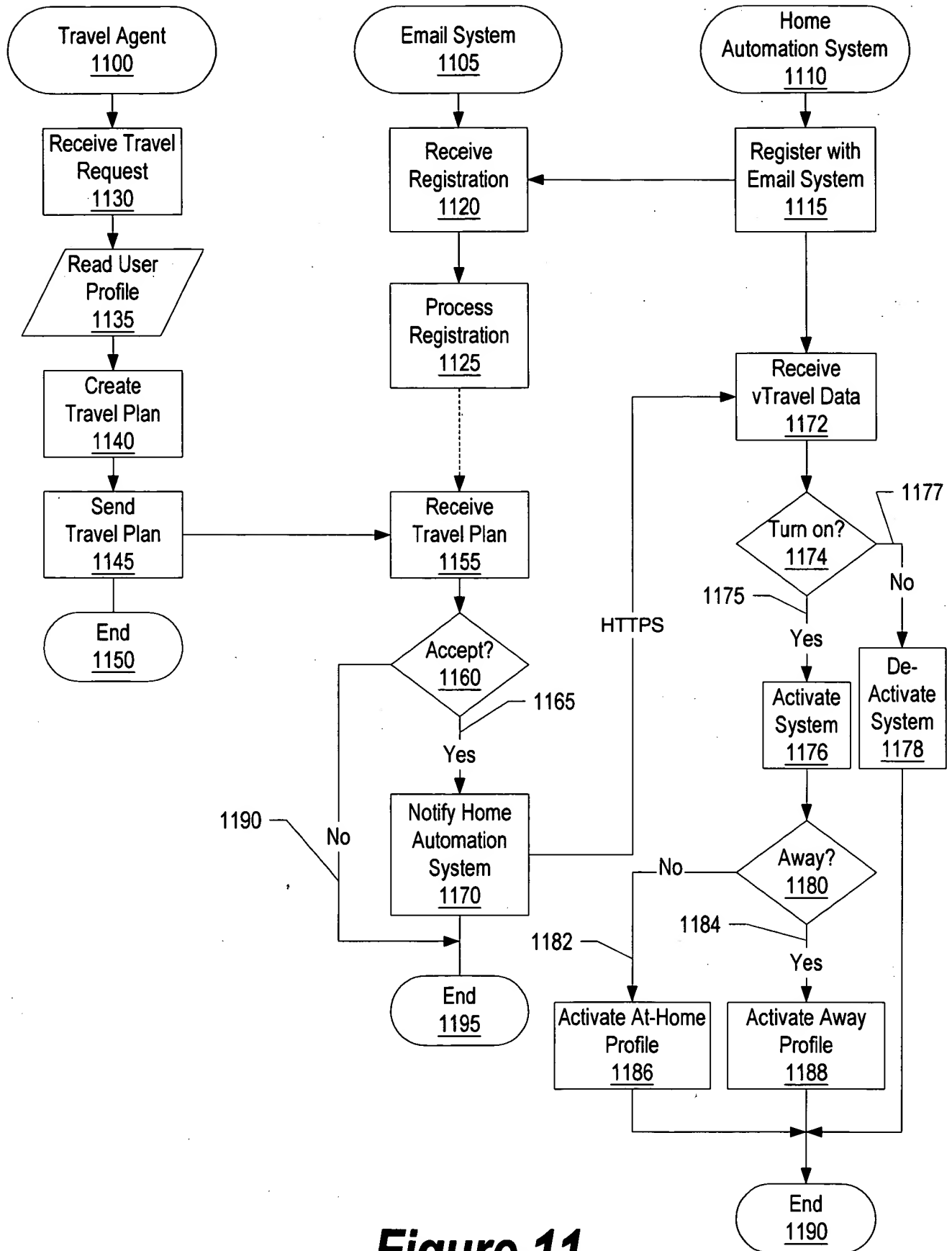


Figure 11

```

graph TD
    Start([Travel Agent  
1200]) --> 1205[Receive Travel Request  
1205]
    1205 --> 1210[/Read User Profile  
1210/]
    1210 --> 1215[Create vActions  
1215]
    1215 --> 1220[Calendar  
vAction  
1220]
    1215 --> 1222[Home  
Packages  
vAction  
1222]
    1215 --> 1224[Business  
Packages  
vAction  
1224]
    1215 --> 1226[Home  
Automation  
vAction  
1226]
    1215 --> 1228[Phone  
vAction  
1228]
    1215 --> 1230[Itinerary  
Notification  
vAction  
1230]
    1215 --> 1232[Funds  
Transfer  
vAction  
1232]
    1215 --> 1234[Health  
Provider  
vAction  
1234]
    1215 --> 1236[Restaurant  
vAction  
1236]
    1215 --> 1238[Points_of  
Interests  
vAction  
1238]
    1215 --> 1240[Driving  
Directions /  
GPS vAction  
1240]
    1220 --> 1245[Create vTravel  
Package  
1245]
    1222 --> 1245
    1224 --> 1245
    1226 --> 1245
    1228 --> 1245
    1230 --> 1245
    1232 --> 1245
    1234 --> 1245
    1236 --> 1245
    1238 --> 1245
    1240 --> 1245
    1245 --> 1250[Send vTravel Package  
to User  
1250]
    1250 --> End1([End  
1255])
    1250 --> 1270[Receive vTravel Package  
1270]
    User([User  
1260]) --> 1270
    1270 --> 1280[Accept / Reject vActions  
1280]
    1280 --> 1290[Execute Accepted vActions  
1290]
    1290 --> End2([End  
1295])

```

Figure 12

Calendar Profile - Travel Options

File Edit View Tools Help

Business

Personal

Preference

Airline Preferences

Rank

Rank

Airline

Freq. Flier No.

1

1

American

XYZ1234

Southwest

SWA123

United

U32459

Delta

<none>

Northwest

<none>

Add

Edit

Delete

Move Up

Move Down

Class: Business

Price

Total Flight Time

Number of Stops

Seat: Aisle

Hotel Preferences

3

Hilton

HTN1234

Mariott

Holiday Inn

Add

Edit

Delete

Move Up

Move Down

Room Rate - Less than \$100 per night.

☒ Non-Smoking Room

Star Rating 4-Star

Proximity to Destination. Within 2 miles.

High Speed Internet Service

Restaurant in Hotel

Exercise Facility

Free Facsimile

Free Local Phone Calls

Free Breakfast / Meals / Snacks

Transportation to/from Airport

Ground Transportation Preferences

2

Rental Car

Hertz

HZ987654

Avis

AV859302

Add

Edit

Delete

Move Up

Move Down

3

Taxi

1

Airport Shuttle

Figure 13

1400

Calendar Profile - Travel Options
File Edit View Tools Help

Business **Personal**

Airline Ranking Inquiry

In order to save \$25 on plane tickets I am willing to spend an additional 1 hours traveling

I am willing to spend an additional \$20 per flight (round trip) to use my favorite airline

Hotel Ranking Inquiry

In order to save \$25 per night on a hotel room I am willing to stay no more than 2 miles from my destination.

I am willing to spend an additional \$5 per night to stay at one of my preferred hotels.

Ground Transportation Ranking Inquiry

I prefer being a passenger (shuttle / taxi) when in a different city **Agree**

I am willing to spend an additional \$10 per day to have my own car.

When renting a car, I am willing to spend an additional \$5 per day to use my preferred rental car company.

Figure 14

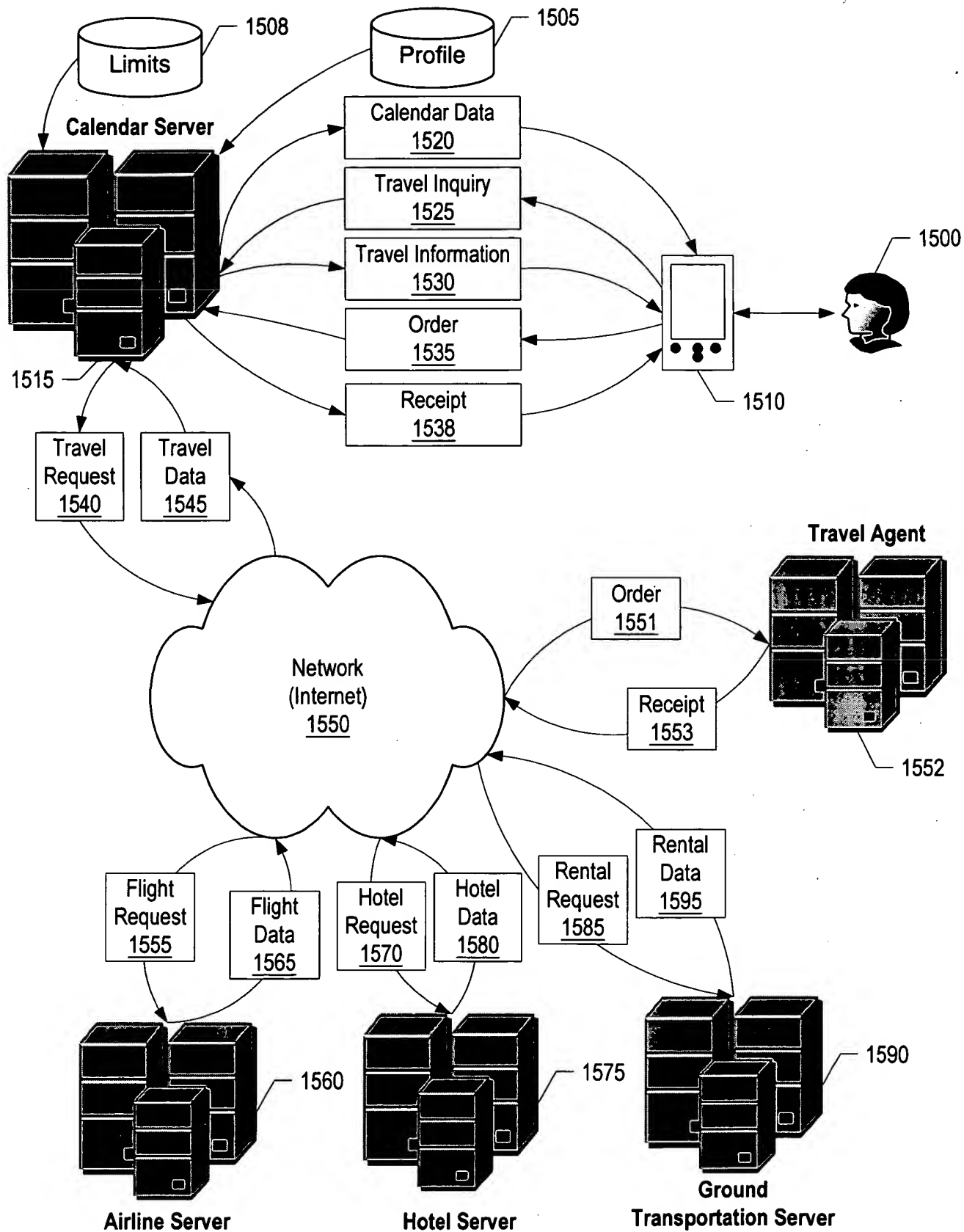


Figure 15

```
graph TD; 1600([Start]) --> 1610[Input Trip Information<br/>(See Figure 17)]; 1610 --> 1620[System Searches for<br/>Possible Travel Options<br/>(See Figure 18)]; 1620 --> 1630[User Selects Preferred Options<br/>(See Figure 19)]; 1630 --> 1640[System Optimizes Selected Options<br/>(See Figures 19 and 20)]; 1640 --> 1650[Optimized Options Confirmed,<br/>Options Booked<br/>(See Figure 19)]; 1650 -- Loop --> 1640; 1650 --> 1690([End]);
```

IBM-0031


```

graph TD
    Start([Start  
1700]) --> T1[/Trip Dates &  
Destination  
1710/]
    T1 --> T2[/Type of Trip  
1720/]
    T2 --> T3[/Travel Profile  
1730/]
    T3 --> D1{Business?  
1740}
    D1 -- Yes 1745 --> T4[/Business Travel  
Rules & Limits  
1750/]
    D1 -- No 1780 --> T5[/Interests  
1785/]
    T4 --> D2{Sight Seeing?  
1760}
    D2 -- Yes 1765 --> T6[/Interests  
1770/]
    D2 -- No 1775 --> T5
    T6 --> T5
    T5 --> T7[/Send Request for  
vTravel Packages  
1790/]
    T7 --> End([Return  
1795])
  
```

IBM-0031

The flowchart illustrates a process for creating travel packages. It begins with a start node (oval) labeled "System 1800". An arrow points down to a process node (rectangle) labeled "Receive Request for Travel Packages 1810". From there, an arrow points down to another process node labeled "Get Travel Server Addresses 1820". A cylinder labeled "Travel Server List 1830" has an arrow pointing to the "Get Travel Server Addresses 1820" node. The flow continues down to a process node labeled "Request Travel Data from Servers 1840". An arrow from this node points to a group of server boxes labeled "1850". The servers in this group are: "Specific Airline Server", "Air Industry Server", "Specific Hotel Server", "Hotel Industry Server", "Rental Car Server", "City Hotel Server", "General Travel Server", and "Other Servers". Arrows from each of these server boxes point to a common vertical line on the right. An arrow from this line points down to a process node labeled "Receive Travel Data from Servers 1860". From there, an arrow points down to a process node labeled "Filter Possible vTravel Packages 1870". This is followed by a process node labeled "Optimize Packages (see Figure 20) 1880". Finally, an arrow points down to an end node (oval) labeled "Return 1890".

Figure 18

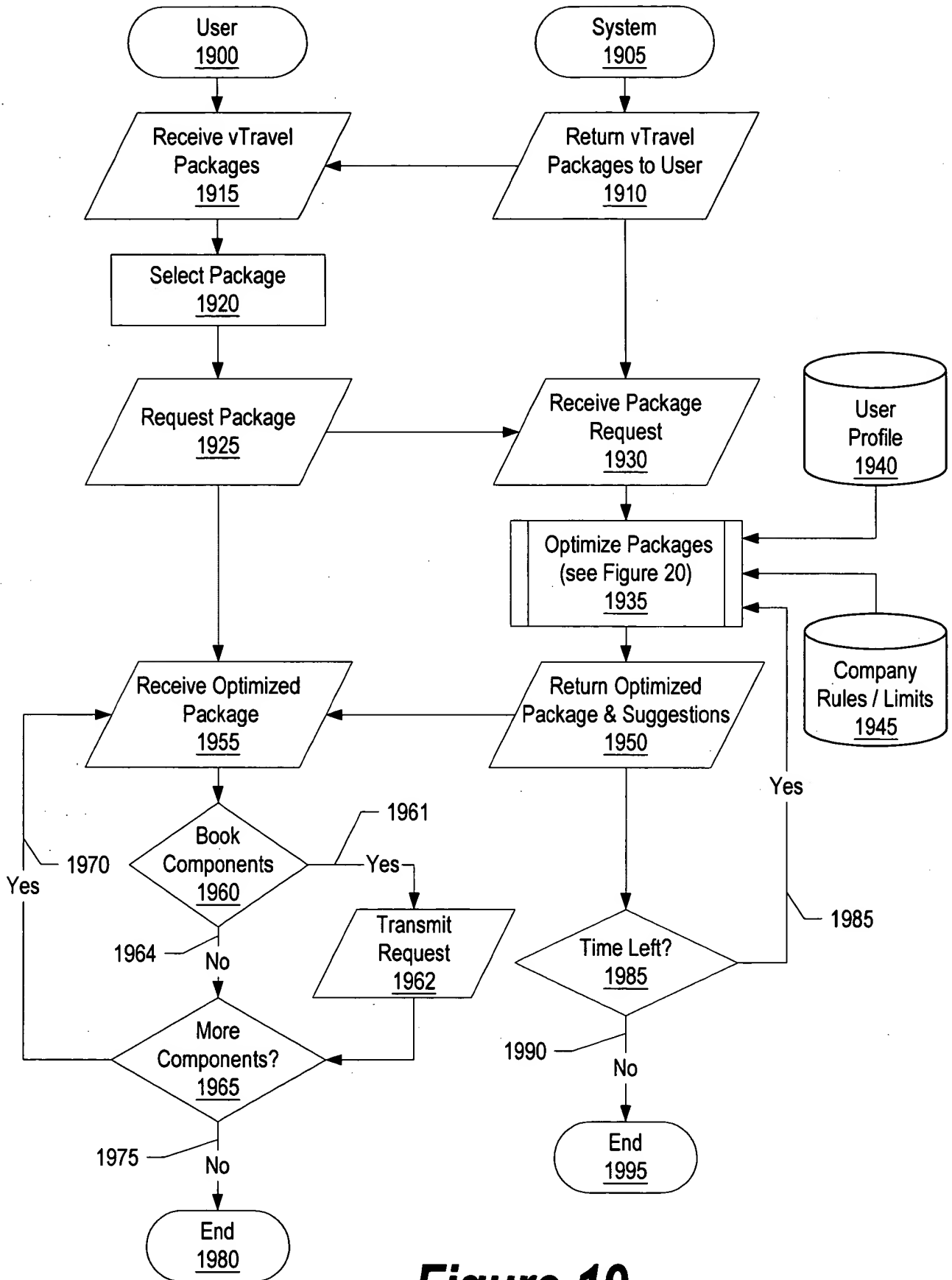


Figure 19

```

graph TD
    Start([Optimize Packages  
2000]) --> ProcessAir[Process Air Travel  
2005]
    ProcessAir --> WeightFlight[Weight Flight Components  
by Corresponding Preference Ranks  
2010]
    WeightFlight --> ComputeFlight[Compute Score for this Flight  
2015]
    ComputeFlight --> MoreFlights{More flights?  
2020}
    MoreFlights -- Yes (2022) --> WeightFlight
    MoreFlights -- No (2023) --> ProcessHotel[Process Hotel  
2025]
    ProcessHotel --> WeightHotel[Weight Hotel Components  
by Corresponding Preference Ranks  
2030]
    WeightHotel --> ComputeHotel[Compute Score for this Hotel  
2035]
    ComputeHotel --> MoreHotels{More hotels?  
2040}
    MoreHotels -- Yes (2042) --> WeightHotel
    MoreHotels -- No (2043) --> ProcessGround[Process Ground  
Transportation  
2045]
    ProcessGround --> WeightGround[Weight Ground Transport Components  
by Corresponding Preference Ranks  
2050]
    WeightGround --> ComputeGround[Compute Score for this Ground Option  
2055]
    ComputeGround --> MoreOptions{More options?  
2060}
    MoreOptions -- Yes (2062) --> WeightGround
    MoreOptions -- No (2063) --> WeightOverall[Weight Air, Hotel and Ground  
Transport by Preference Rankings  
2065]
    WeightOverall --> ComputeOverall[Compute Overall Package Score  
2070]
    ComputeOverall --> ApplyDiscounts[Apply Any Package Discounts,  
Adjust Package Score  
2075]
    ApplyDiscounts --> MorePackages{More packages?  
2080}
    MorePackages -- No (2090) --> SortReturn([Sort Packages  
& Return  
2095])
    MorePackages -- Yes --> ProcessAir
  
```

Figure 20

AUS9-2000-0488-US1 (20/21)

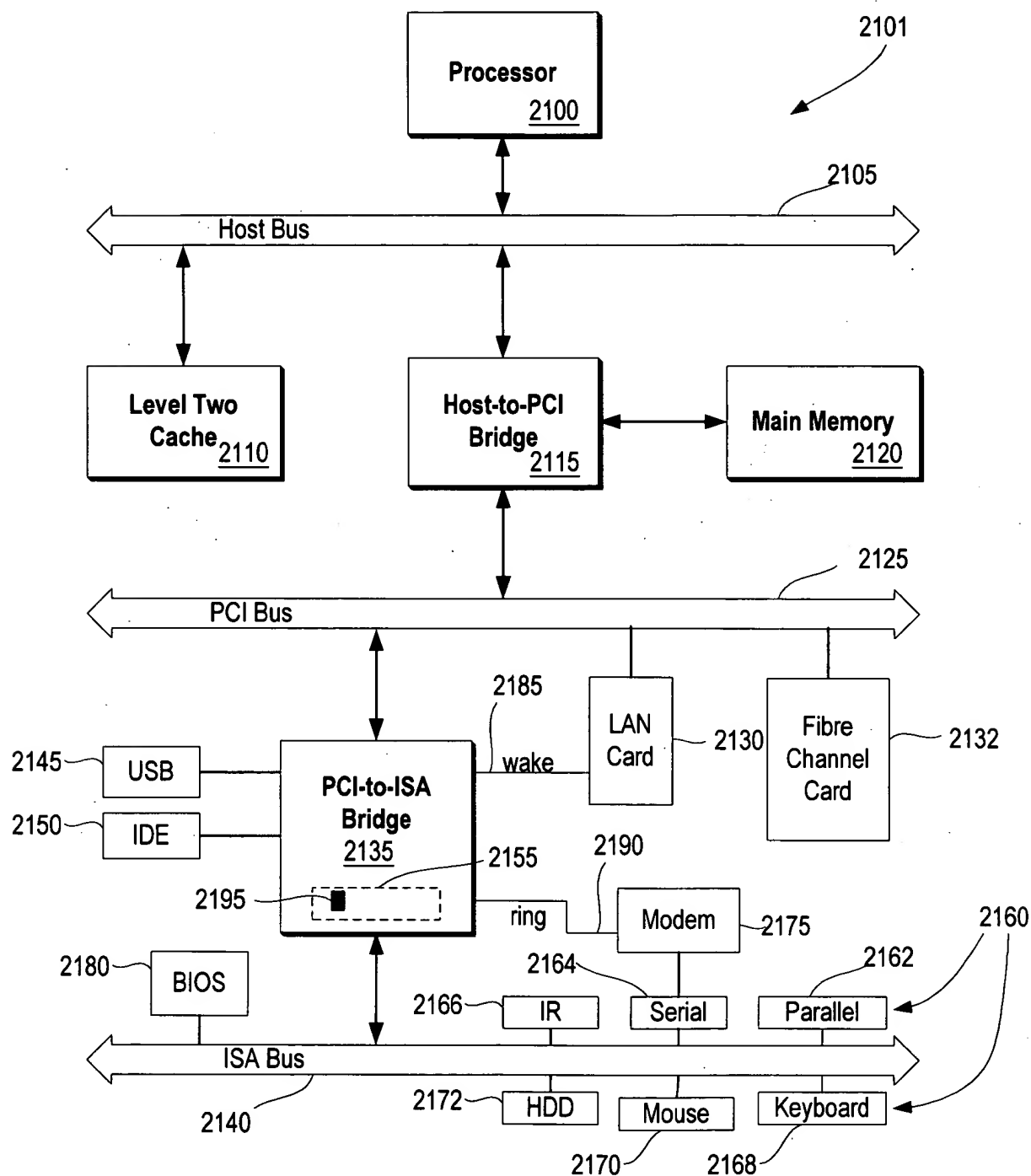


Figure 21